

01799

1995/01/00

(Total)

Global Launch Services Supply and Demand Analysis

U.S. LAUNCH VEHICLES

Category	1995	1996	1997	1998	1999	2000	2001
Pegasus/Taurus/LLV: Requirements Capacity	10 13	7 14	6 16	2 18-22	4 24-28	3 30-34	2 30-34
Delta 2 East Coast: Requirements Capacity	4 (4) 4	5 (5) 8	8 (8) 12	4 (5) 12	6 (7) 12	4 (5) 8	4 (5) 12
Delta 2 West Coast: Requirements Capacity	2 (2) 4	3 (3) 6	5 (5) 6	2 (3) 6	0 (0) 5	3 (3) 4	1 (3) 6
Atlas 1/2/2AS East Coast: Requirements Capacity	10 (10) 8	7 (7) 9	6 (6) 10	2 (2) 10	3 (4) 10	3 (4) 10	0 (2) 10
Atlas 1/2/2AS West Coast: Requirements Capacity	0 0	0 1	0 4	3 4	1 4	2 4	1 (2) 4

NOTE: Only firm and probable requirements are shown for both government and commercial missions. Potential missions in the out-years are not shown. Protected LEO commercial requirements of at least 4 to 5 launches per year from 1997 on are not shown.

Numbers in parentheses represent revised launch projections by DOD for Delta 2 taking into account further review of likely U.S. Government launches.

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*proposition of increasing capacity
not needed. Not a serious opportunity
No off-peak launch for foreign launch vehicles
maximize 4-1000
Revised Per formal Argonne
submitted 11/18/94*

Category

1995 1996 1997 1998 1999 2000 2001

Ariane 4: Requirements
Capacity

14 (12) 8 (10) 5 2 1 ? ?
12 12 10 8 8 8 *

Ariane 5: Requirements
Capacity

0 2 1 1 1 3 ?
0 4 6 8 to 10 8 to 10 8 to 10 X

Long March 2E/3B: Requirements
Capacity

6 4 to 5 1 1 1 1 1
6 6 6 6 6 6 6 ..

Long March 2C, etc: Requirements
Capacity

0 0 to 1 0 3 3 0 0
4 to 7 4 to 7 4 to 7 4 to 7 4 to 7 4 to 7 4 to 7

Proton: Requirements
Capacity

16? ? ? ? ? ? ?
13 plus 13 plus* 13 plus 13 plus 13 plus 13 plus 13 plus ...

* Reflects gradual reduction of Ariane 4 capacity

** Maximum theoretical (surge) capacity has been estimated at 7 to 8 GEO launches per year

*** Estimate for nominal capacity using new-built Protons; actual capacity may be higher